

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
13 October 2005 (13.10.2005)

PCT

(10) International Publication Number
WO 2005/094185 A2

(51) International Patent Classification: Not classified

(74) Agent: DEPENNING & DEPENNING; 31 South Bank Road, Chennai 600 028, Tamil Nadu (IN).

(21) International Application Number:
PCT/IN2004/000074

(22) International Filing Date: 30 March 2004 (30.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **SUDERSHAN BIOTECH LIMITED** [IN/IN]; Doctors Colony, L.B. Nagar, Hyderabad 500 074, Andhra Pradesh (IN).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(72) Inventors; and

(75) Inventors/Applicants (for US only): **VENKATA, Madhusudhan, Reddy, Mule** [IN/IN]; Sudershan Biotech Limited, Doctors Colony, L.B. Nagar, Hyderabad 500 074, Andhra Pradesh (IN). **KAMALA, Mythili, Padala** [IN/IN]; Sudershan Biotech Limited, Doctors Colony, L.B. Nagar, Hyderabad 500 074, Andhra Pradesh (IN). **GOPALA, Krishna, Karanam** [IN/IN]; Sudershan Biotech Limited, Doctors Colony, L.B. Nagar, Hyderabad 500 074, Andhra Pradesh (IN). **RAMANA, Yamala** [IN/IN]; Sudershan Biotech Limited, Doctors Colony, L.B. Nagar, Hyderabad 500 074, Andhra Pradesh (IN). **BOSU, Reddy, Donthy, Reddy** [IN/IN]; Sudershan Biotech Limited, Doctors Colony, L.B. Nagar, Hyderabad 500 074, Andhra Pradesh (IN).

(54) Title: RECOMBINANT CALF-CHYMOSIN AND A PROCESS FOR PRODUCING THE SAME

(57) Abstract: Calf-chymosin containing 1098 p coding for 366 amino acids was isolated and cloned into a E.coli bacterial expression vector PET 21b. This strain is fermented and the protein is precipitated by addition of alkali. Active form is recovered by renaturation and purified under low pH.



WO 2005/094185 A2